

ABSTRACT

A rubber composition including a natural or synthetic rubber, and an adhesive resin capable of unexpected adhesion to metal, polymer and glass substrates, particularly cords in radical tires, hoses, conveyor belts, transmission belts, and the like by the addition of a liquid composition containing long chain esters, including mono, di- and tri-esters, and one or more reactive diluents. In the preferred embodiment, the reactive diluent is selected from (1) glycidyl ethers, (2) diglycidyl ethers; (3) aliphatic, straight chain epoxides; (4) epoxidized vegetable oils, particularly epoxidized soybean oil; (5) cycloaliphatic epoxies; (6) glycidyl esters, and (7) diglycidyl esters.